Mechanical Design Technology Certificate

Advisor – East Broad Campus: James Wilson, Bevill Center (256.549.8659) jwilson@gadsdenstate.edu

NOTICE(s): For the certificate in Civil Engineering Technology, Mechanical Design Technology Specialty, the student must complete at least 46 credit hours – at least 40 in technical courses and at least 6 in general education courses – all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.

The courses in this program of study may not be offered every semester. It is important to consult with your advisor to determine course schedules to stay on track to graduate.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

This program is offered at the East Broad Campus only.

Program: Mechanical Design Technology
Type: Certificate

Area I — Written Composition

Item #	Title	Credits
ENG 101	English Composition I	3
	Sub-Total Credits	3

Area III — Natural Sciences and Mathematics

Item #	Title	Credits
	MTH 100: Intermediate College Algebra OR numerically higher	3
	Sub-Total Credits	3

Area V - Required Technical Courses

Item #	Title	Credits
CET 101	Introduction to Engineering Technology	3
MDT 100	Engineering Blue Prints	3
MDT 105	Introduction to Computer-Aided Design (CAD)	3
MDT 111	Mechanical Drawing	3
MDT 146	AutoCAD CADD	3
MDT 147	Inventor CADD	3
MDT 211	Advanced Mechanical Drawings	3
ORI 101	Orientation to College	1
	Sub-Total Credits	22

Additional Coursework:

Choose 18 credit hours from the following list.

Item #	Title	Credits
CIS 146	Microcomputer Applications	3
MDT 122	Architectural Drawing	3
MDT 202	SOLIDWORKS CADD	3
MDT 215	Co-Op	1
MDT 216	Co-Op	2
MDT 217	Co-Op	3
MDT 221	Machine Design	3
MDT 261	HVAC and Pipe Systems Design	3
MDT 271	Structural and Weld Design	3
MDT 272	Electrical and Electronic Design	3
SPH 106	Fundamentals of Oral Communication	3
	Sub-Total Credits	30
	Total credits:	**46**